

Seal apparatus and method for forming.

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Abstract

A normally open pressure responsive electrical switch (10) is shown having upper and lower body members (12,14) with a combination terminal and disc seat member sandwiched therebetween. An electrically conductive snap acting disc (24) is disposed on the disc seat and is adapted to snap through a centrally disposed aperture in the terminal into electrical engagement with an electrical contact (46) disposed on a terminal (38) mounted in the lower body member (14). The upper body member (12) has a bore (26) extending therethrough which slidably mounts a pressure converter (28) adapted to convert pressure from a pressure source to a force and apply the force to the disc. A flexible membrane (50) is disposed over the bore with an O-ring (54) received on an O-ring seat adjacent the bore in the upper body member. A wall (52) extending around the

seal seat is deformed to capture the O-ring at its seat. 

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